1. Record Nr.   UNINA9910346701903321

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   Titolo   Modeling and simulation of porous journal bearings in multibody systems

   Pubbl/distr/stampa   KIT Scientific Publishing, 2013

   ISBN   1000036099

   Descrizione fisica   1 online resource (XXII, 144 p. p.)

   Collana   Schriftenreihe des Instituts für Technische Mechanik, Karlsruher Institut für Technologie

   Soggetti   Technology: general issues

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Sommario/riassunto   A specific cost-efficient type of plain journal bearing is the porous journal bearing, which possesses a pervious bush that serves as a lubricant reservoir. The current work is concerned with modeling porous journal bearings in multibody systems, for which dynamical models are needed to investigate the bearing's behavior. Such porous journal bearing models as well as models of elementary rotor-bearing systems including these, were developed and investigated during the course for this work.